AMENDMENT

Listing of Claims

The following listing of claims replaces all previous listings or versions thereof:

1-41. (Canceled)

42. (Original) A method of diagnosing Bardet-Biedl Syndrome (BBS) comprising identifying a mutation in a NGVN polypeptide or nucleic acid.

43. (Original) The method of claim 42, wherein said method comprises identifying a mutation in a NGVN polypeptide.

44. (Original) The method of claim 43, wherein said method comprises immunologic analysis using a NGVN-binding monoclonal antibody or polyclonal antiserum.

45. (Original) The method of claim 44, wherein said immunologic analysis comprises ELISA, RIA, or Western blot.

46. (Original) The method of claim 43, wherein said method comprises identifying a mutation selected from the group consisting of $Val_{75}\rightarrow$Gly, $Arg_{272}\rightarrow$Stop, $Arg_{275}\rightarrow$Stop, and $Ile_{123}\rightarrow$Val.

47. (Original) The method of claim 42, wherein said method comprises identifying a mutation in a NGVN nucleic acid.

48. (Original) The method of claim 47, wherein said nucleic acid is a NGVN mRNA.

49. (Original) The method of claim 47, wherein said nucleic acid is a NGVN genomic DNA.

50. (Original) The method of claim 47, wherein said method comprises amplification of said nucleic acid.

51. (Original) The method of claim 47, wherein said method comprises hybridization of said nucleic acid to a labeled nucleic acid probe.

52. (Original) The method of claim 47, wherein said method comprises sequencing of a NGVN nucleic acid.

53. (Original) The method of claim 47, wherein said method comprises identifying a mutation selected from the group consisting of $T_{224}\rightarrow G$, $C_{814}\rightarrow T$, $C_{823}\rightarrow T$, $A_{387}\rightarrow G$, $A_{1413}\rightarrow C$, A_{940}del and 1206insA.

54-67. (Canceled)